# Work Order ID 113852

*February-24-14 10:05:06 AM*

*113852*



**Item ID:** D3134-3 **Accept** *N900040100* **Setup Start** *NS1*

**Revision ID:** **Stop** *NS2*

**Item Name:** Rod

**Start Date:** 2/28/14 **Start Qty:** 1.00 *1*

**Required Date:** 2/28/14 **Req'd Qty:** 1.00 *1*

**Reference:**

**Cust Item ID:**

**Customer:**

**Run Start** *NR1*

**Stop** *NR2*

**Approvals:** **Process Plan:** MCJ **Date:** 14-02-26 **Tooling:** _____ **Date:** _____

**QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|---|---|---|---|---|---|---|---|---|---|
| **Draw Nbr** | **Revision Nbr** | | | | | | | | |
| D3134 | Rev E | | | | | | | | |
| 100 | | 0.00 | | | | | | | |
| *100* | Small Fab | | | | | 1 | | ~~FF~~ 14-07-08 | |
| Small Fab | **Memo** | 0.00 | | | | | | | |
| Small Fab | Open both ends with Ø0.161 (#20) drill and thread both ends as per Dwg D3134<br><br>Deburr rod, no sharp edges. Bend as per Dwg D3134 using template D3134-3T3 | | | | | | | | |
| 110 | QC5- Inspect part completeness to step on W/O | 0.00 | | | | | | | |
| *110* | | | | | | | | | |
| QC | **Memo** | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |
| 120 | Identify as per dwg & Stock Location ~~ST~~ EA | 0.00 | | | | | | | |
| *120* | | | | | | | | | |
| Packaging | **Memo** | 0.00 | | | | | | | |
| Packaging | | | | | | | | | |

SMS 14/7/8

IK 14-7-8

DAS 26 9-89

DQA: _____ Date: _____

DART AEROSPACE

# WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

**DISPOSITION**

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

**AGAINST DEPARTMENT/PROCESS**

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

| Root Cause | | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---|---|---|---|---|---|---|---|---|---|---|
| Design | ☐ | | | | | | | | | |
| Doc/Data | ☐ | | | | | | | | | |
| Equip/Tooling | ☐ | | | | | | | | | |
| Handling/Pre | ☐ | | | | | | | | | |
| Material | ☐ | | | | | | | | | |
| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
| Training | ☐ | | | | | | | | | |
| Transport | ☐ | | | | | | | | | |
| Unapproved | ☐ | | | | | | | | | |

**FAULT CATEGORY**

**Landing Gear**

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

**General**

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

_____
_____
_____

**Item ID:** D3134-3 **Accept** *N900040100* **Setup Start** *NS1*
**Revision ID:** **Stop** *NS2*
**Item Name:** Rod

**Start Date:** 2/28/14 **Start Qty:** 1.00 *1*
**Required Date:** 2/28/14 **Req'd Qty:** 1.00 *1*
**Reference:**

**Cust Item ID:**
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**Run Start** *NR1*
**Stop** *NR2*

**Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
**QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|---|---|---|---|---|---|---|---|---|---|
| 130 | QC21- Final Inspection - Work Order Release | 0.00 | | | | | | | |
| *130* | | | | | | MLJ | 14-07-09 | | |
| QC | **Memo** | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

14-7-9

DQA: _____ Date: _____

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DART AEROSPACE

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| Doc/Data | ☐ | | | | | | | | | |
| Equip/Tooling | ☐ | | | | | | | | | |
| Handling/Pre | ☐ | | | | | | | | | |
| Material | ☐ | | | | | | | | | |
| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
| Training | ☐ | | | | | | | | | |
| Transport | ☐ | | | | | | | | | |
| Unapproved | ☐ | | | | | | | | | |

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☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

_____
_____
_____

# Picklist Print



*February-24-14 10:05:06 AM*

**Work Order ID:** 113852 *113852*

**Parent Item:** D3134-3 *D3134-3*

**Parent Item Name:** Rod

**Start Date:** 2/28/14 **Required Date:** 2/28/14

**Start Qty:** 1.00 **Required Qty:** 1.00

**Comments:** IPP B02.11.12Re-format; Add threadKJ

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M304TR0.250W.049 | | Purchased | No | | | 100 | f | 20.8711 | 2.275 | 3 | | | |
| *M304TR0.250W.049* | | | | | | | | | ** | | FF 14-07-08 | | |

304 Seamless Tubing .250 x .049w

| Location | Loc Qty | Loc Code | |
|---|---|---|---|
| MAT016 | 20.8711 | | |
| 117328 | 0.8711 | | |
| M128084 | 20 | | 3 |

DQA: _____ Date: _____

DART AEROSPACE

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| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
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☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

_____
_____
_____

# DART AEROSPACE LTD

DART AEROSPACE

Description: Rod | Work Order: 113853

Inspection Drawing: D3134 | Rev: E | Part Number: D3134-3

## INSPECTION SHEET

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|---|---|---|---|---|---|---|
| 26.75 | 0.030 | 26.75 | ✓ | | SFab-07 | |
| 17.88 | " | 17.88 | ✓ | | SFab-07 | |
| 2.53 | " | 2.53 | ✓ | | SFab-08 | |
| 1.24 | " | 1.24 | ✓ | | SFab-08 | |
| 5.50 | " | 5.47 | ✓ | | SFab-08 | |
| 36° | 1° | 36° | ✓ | | SFab-05 | |
| 0.98 | 0.030 | 98.4 | ✓ | | SFab-08 | |
| 18° | 1° | 18° | ✓ | | SFab-05 | |
| 5° | 1° | 3° | ✓ | | SFab-05 | |

| Measured by: FF | Checked By: DAS 30 9-89 | QC inspector: SH | Engineering Approval (*if necessary*) |
|---|---|---|---|
| Date 14-07-08 | Date 14/07/08 | Date 14-7-8 | Date |